Electronic Acknowledgement Receipt					
EFS ID:	4771615				
Application Number:	10821827				
International Application Number:					
Confirmation Number:	1400				
Title of Invention:	METHOD AND APPARATUS FOR CHANNEL ESTIMATION IN RADIO SYSTEMS BY MMSE-BASED RECURSIVE FILTERING				
First Named Inventor/Applicant Name:	Robert Denk				
Customer Number:	38881				
Filer:	Laura C. Brutman/Inga Hildreth				
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Application Type:	Utility under 35 USC 111(a)				
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Submitted with Payment	yes
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
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1 Issue Fee Payment (PTO-85B)	Jasua Fao Daymant (DTO 95D)	L cooppose - If	90194		1		
	L00990003.pdf	4fdd52dd1f21218b6a689df2f7610aa0f9a4 2b23	no	1			
Warnings:							
Information:	Information:						
2 Fee Worksheet (PTO-06)	fee-info.pdf	33669	no	2			
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If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

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If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

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If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.